GIS REGISTRY INFORMATION

SITE NAME:	FORMER COALING PLANT AND HOIST HOUSE
BRRTS # and FID #:	**BRRTS 0252287096 FID252087110**
CLOSURE DATE:	11/14/2005
STREET ADDRESS:	2904 WISCONSIN ST Railroad tracks.
CITY:	STURTEVANT
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 691670 **Y=** 249758

OFF-SOURCE CONTAMINATION (>ES): (if there are more than 2 off-source properties, make a note and attach additional sheet(s))		**Yes**	X	**No**
IF YES, STREET ADDRESS 1:				
GPS COORDINATES (meters in WTM91 projection):	**X=**		**Y=**	
IF YES, STREET ADDRESS 2:				
GPS COORDINATES (meters in WTM91 projection):	**X=**		**Y=**	

CONTAMINATION IN RIGHT OF WAY:	X	**Yes**		**No**

CONTAMINATED MEDIA: (Groundwater, Soil or Both?)	**SOIL**

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued	X
Copy of most recent deed, including legal description, for all affected properties	NA
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	NA
County Parcel ID number, *if used for county*, for all affected properties	
Location Map which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy)	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if available from site investigation (SI)* (8.5x14" if paper copy**)**. The isoconcentration map should have flow direction and extent of contamination defined. **If not available, include the following 2 types of maps:**	NA
Latest groundwater flow/monitoring well location map	NA
Latest extent of contaminant plume map	NA
Geologic cross-sections, *if available from SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	NA
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)	NA
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure.*	NA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

James Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Sturtevant Service Center
9531 Rayne Road, Suite IV
Sturtevant, Wisconsin 53177
Telephone 262-884-2300
FAX 262-884-2307
TDD 262-884-2304

November 14, 2005

Mr. Craig Larson, P.E.
Canadian Pacific Railway
501 Marquette Ave. South
Suite 804
Minneapolis, MN 55402

Subject: Closure of Former Coaling Plan and Hoist House, Sturtevant Station Grounds, Sturtevant, WI FID 252087110, BRRTS 02-52-287096

Dear Mr. Larson,

The Department has received and reviewed the additional information requested to complete the closure review of this site. At this time it appears that based upon information provided by your consultant that this site can be granted closure with entry on the Soil and Groundwater GIS database.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

You will need to abandon the monitoring wells and provide the abandonment forms to this office once that action is completed. Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 262-884-2341.

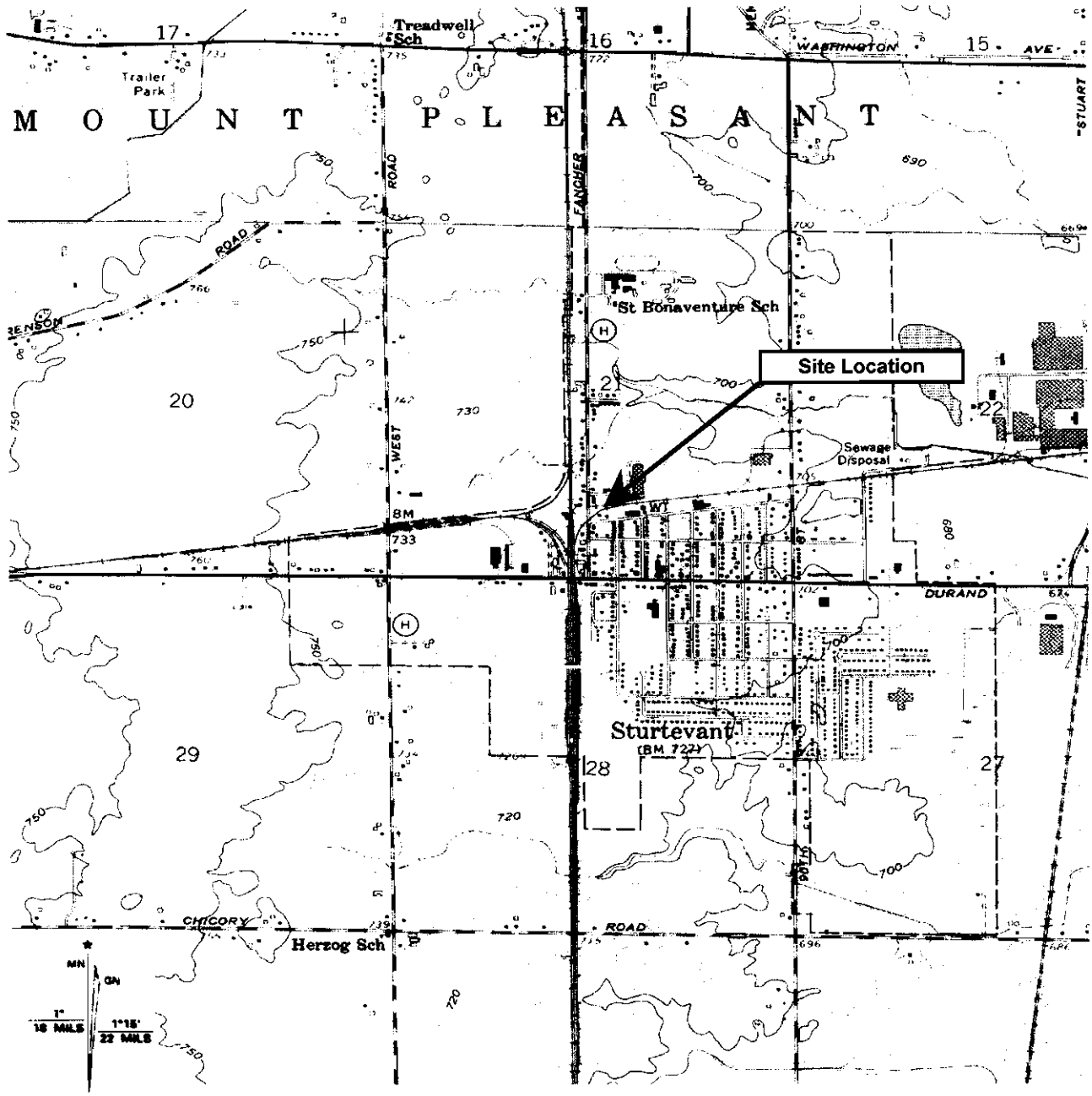
Sincerely,

Shanna L Laube-Anderson, P.G.
Hydrogeologist

Cc: Mark Gretebeck, Braun Intertec Corp. , 2831 Larson St., LaCrosse, WI 54603

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STURTEVANT QUADRANGLE
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 RACINE 15' QUADRANGLE



SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

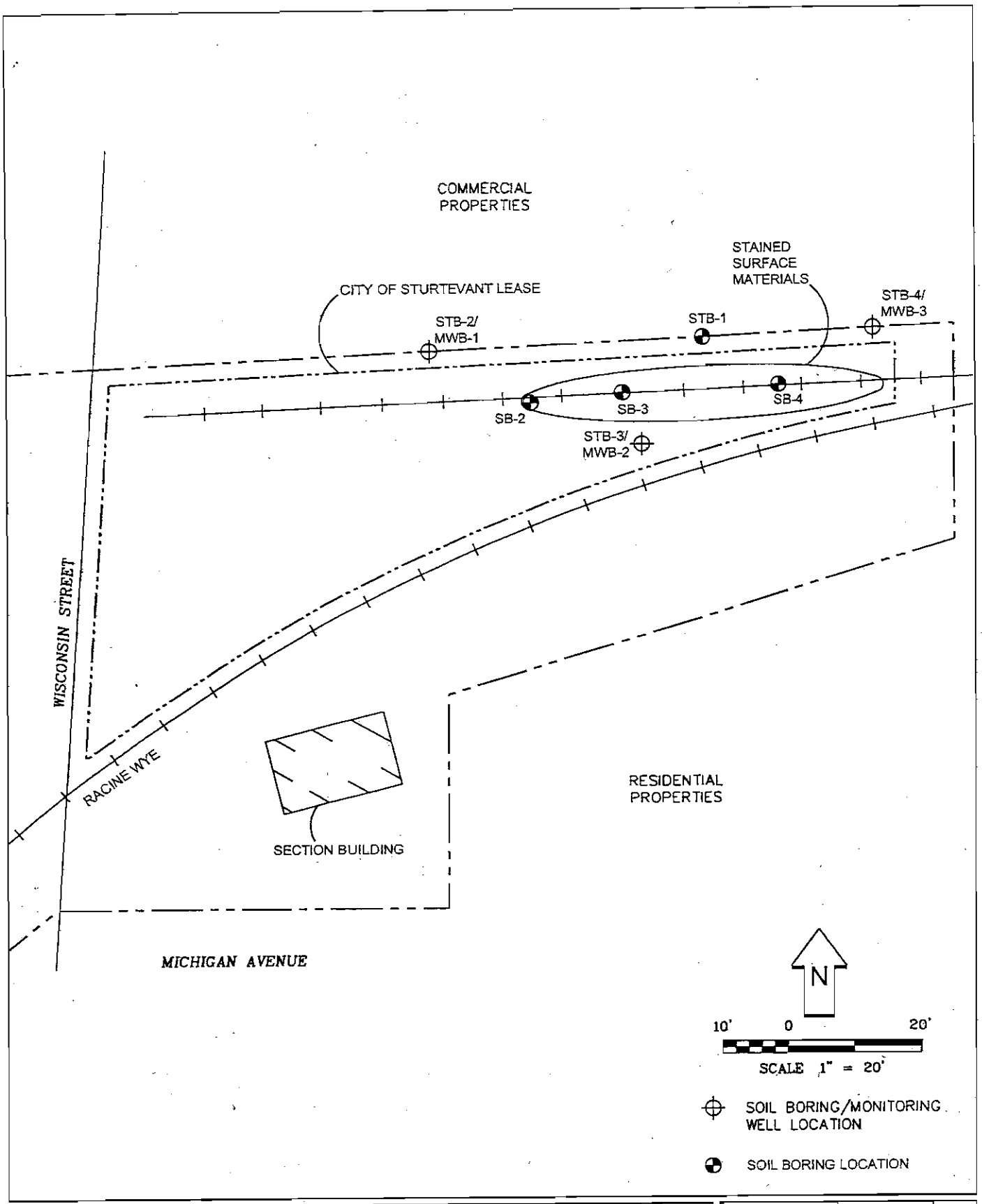
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS

BRAUN INTERTEC

Site Location Map
Stained Surface Materials on Racine WYE - Task B
Canadian Pacific Railway - Sturtevant Station Grounds
Sturtevant, Wisconsin

		DATE	SHEET
DRAWN BY:	KLH	3/14/2002	
APP'D BY:	MLG	3/14/2002	OF
JOB NO.	CNEX-02-009B Task B		
DWG. NO.		FIGURE NO.	
SCALE		1	



BRAUN INTERTEC

SITE LAYOUT MAP
TASK B – STAINED SURFACE MATERIALS ON RACINE WYE
CANADIAN PACIFIC RAILWAY – STURTEVANT STATION GROUNDS
STURTEVANT, WISCONSIN

INT	REVISION	SHEET
DRAWN BY: BJB	3-14-02	
APP'D BY: PBH	11-8-02	OF
JOB NO. CNEX-02-009A		
DWG. NO. NE2009A		FIGURE NO.
SCALE 1" = 20'		2

Table 1
Soil Sampling Analytical Results - August 15, 2001
Canadian Pacific Railway Sturtevant Station Grounds
Sturtevant, Wisconsin

	SOIL BORINGS			WISCONSIN SOIL STANDARDS				
Soil Boring:	SB-2	SB-3	SB-4	NR720	NR746.06	NR746.06	Suggested PAH	Suggested PAH
Depth (feet):	6	6	10	RCLs[1]	Table 1[2]	Table 2[3]	Groundwater RCLs[4]	Direct Contact RCLs[5]
Gasoline Range Organics (mg/kg)	<3.3	<3.3	<3.3	100	NS	NS	NS	NS
Diesel Range Organics (mg/kg)	>8.6<	**12000**	<3.3	100	NS	NS	NS	NS
VOC Compounds (ug/kg)								
Benzene	[<19]	>50<	[<19]	5.5	8500	1100	NS	NS
Ethylbenzene	<19	<20	<19	2900	4600	NS	NS	NS
Naphthalene	<19	91	<19	NS	2700	NS	400	110000
Toluene	>38<	210	<19	1500	3800	NS	NS	NS
1,2,4 Trimethylbenzene	<19	>21<	<19	NS	83000	NS	NS	NS
1,3,5 Trimethylbenzene	<19	<20	<19	NS	11000	NS	NS	NS
Total Xylenes	<19	90	<19	4100	4200	NS	NS	NS
SVOC Compounds (mg/kg)								
Acenaphthene	NA	<3.67	NA	NS	NS	NS	38	60000
Acenaphthylene	NA	[<3.67]	NA	NS	NS	NS	0.7	360
Anthracene	NA	<3.67	NA	NS	NS	NS	3000	300000
Benzo (a) anthracene	NA	<3.72	NA	NS	NS	NS	17	3.9
Benzo (b) fluoranthene	NA	<3.72	NA	NS	NS	NS	360	3.9
Benzo (k) fluoranthene	NA	<3.72	NA	NS	NS	NS	870	39
Benzo (ghi) perylene	NA	<3.72	NA	NS	NS	NS	6800	39
Benzo (a) pyrene	NA	[<3.72]	NA	NS	NS	NS	48	0.39
Carbazole	NA	<3.72	NA	NS	NS	NS	NS	NS
Chrysene	NA	<3.67	NA	NS	NS	NS	37	390
Dibenzofuran	NA	<3.7	NA	NS	NS	NS	38	0.39
Fluoranthene	NA	<3.67	NA	NS	NS	NS	500	40000
Fluorene	NA	<3.67	NA	NS	NS	NS	100	40000
Indeno (123-cd) pyrene	NA	<3.72	NA	NS	NS	NS	680	3.9
2-methylnaphthalene	NA	<3.7	NA	NS	NS	NS	20	40000
Naphthalene	NA	[<3.67]	NA	NS	2.7	NS	0.4	110
Phenanthrene	NA	[<3.67]	NA	NS	NS	NS	1.8	390
Pyrene	NA	<3.67	NA	NS	NS	NS	8700	30000
Total Metals (mg/kg)								
Arsenic	**4.2**	**18**	**3.4**	1.6	NS	NS	NS	NS
Cadmium	0.28	4.1	0.31	510	NS	NS	NS	NS
Selenium	0.76	0.96	0.65	NS	NS	NS	NS	NS
Silver	<0.17	>0.18<	<0.17	NS	NS	NS	NS	NS
Barium	52	74	52	NS	NS	NS	NS	NS
Chromium	18	32	20	200	NS	NS	NS	NS
Lead	8.6	100	7.5	500	NS	NS	NS	NS
Mercury	>0.02<	>0.02<	>0.02<	NS	NS	NS	NS	NS

Notes:
Sources for Wisconsin soil standards:
[1] - Wisconsin Administrative Code, Chapter NR720, Table 1 and Table 2, Residual Contaminant Levels (metals standards are Industrial)
[2] - Wisconsin Administrative Code, Chapter NR746, Table 1 - Indicators of Residual Petroleum Product in Soil Pores
[3] - Wisconsin Administrative Code, Chapter NR746, Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil
[4] - Wisconsin Department of Natural Resources, Soil Cleanup Levels for PAHs - Interim Guidance, Suggested Generic RCLs for PAH Compounds in Soil based on groundwater pathway
[5] - Wisconsin Department of Natural Resources, Soil Cleanup Levels for PAHs - Interim Guidance, Suggested Generic RCLs for PAH Compounds in Soil based on direct contact pathway (Indust
BOLD values exceed one or more Wisconsin Soil Standards
[values in brackets] indicate detection limit exceeds one or more Wisconsin Soil Standards due to sample dilution. Therefore, it is unknown if sample concentration exceeds Soil Remediation Obj
> < - The reported concentration is between the Limit of Detection and Limit of Quantitation; this data is an estimated value.
NS - No Wisconsin Soil Standards have been established
NA - Not Analyzed

Stained Surface Materials on Racine Wye - Task B
Canadian Pacific Railway - Sturtevant Station Grounds
Sturtevant, Wisconsin

Table 4

Soil Sample Analytical Results - April 3, 2002

PARAMETER (mg/kg):	Soil Boring and Sample Depth				NR720 RCLs[1]	NR746.06 Table 1[2]	NR746.06 Table 2[3]	Suggested PAH Groundwater RCLs[4]	Suggested PAH Direct Contact RCLs[5]
	STB-1 2.5 feet	STB-1 15 feet	STB-2 2.5 feet	STB-2 15 feet					
PVOCs									
Benzene	<0.025	<0.025	<0.025	<0.025	0.0055	8.5	1.1	NS	NS
Ethyl Benzene	<0.025	<0.025	<0.025	<0.025	2.9	4.6	NS	NS	NS
Methyl Tertiary Butyl Ether	<0.025	<0.025	<0.025	<0.025	NS	NS	NS	NS	NS
Toluene	<0.025	<0.025	<0.025	<0.025	1.5	3.8	NS	NS	NS
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	83	NS	NS	NS
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	11	NS	NS	NS
Xylenes, Total	<0.050	<0.050	<0.050	<0.050	4.1	4.2	NS	NS	NS
PAHs									
Benzo (k) fluoranthene	<0.0051	0.0079	<0.0051	0.0073	NS	NS	NS	870	39
Phenanthrene	0.0048	0.0037	0.0023	0.0068	NS	NS	NS	1.8	390
Diesel Range Organics	<10	<10	<10	<10	100	NS	NS	NS	NS

PARAMETER (mg/kg):	Soil Boring and Sample Depth				NR720 RCLs[1]	NR746.06 Table 1[2]	NR746.06 Table 2[3]	Suggested PAH Groundwater RCLs[4]	Suggested PAH Direct Contact RCLs[5]
	STB-3 2.5 feet	STB-3 15 feet	STB-4 2.5 feet	STB-4 15 feet					
PVOCs									
Benzene	<0.025	<0.025	<0.025	<0.025	0.0055	8.5	1.1	NS	NS
Ethyl Benzene	<0.025	<0.025	<0.025	<0.025	2.9	4.6	NS	NS	NS
Methyl Tertiary Butyl Ether	<0.025	<0.025	<0.025	<0.025	NS	NS	NS	NS	NS
Toluene	<0.025	<0.025	<0.025	<0.025	1.5	3.8	NS	NS	NS
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	83	NS	NS	NS
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	11	NS	NS	NS
Xylenes, Total	<0.050	<0.050	<0.050	<0.050	4.1	4.2	NS	NS	NS
PAHs									
Benzo (k) fluoranthene	<0.0051	<0.0051	<0.0051	<0.0051	NS	NS	NS	870	39
Phenanthrene	<0.0016	0.0051	<0.0016	0.0056	NS	NS	NS	1.8	390
Diesel Range Organics	<10	<10	<10	<10	100	NS	NS	NS	NS

Notes:

Sources for Wisconsin soil standards:

[1] - Wisconsin Administrative Code, Chapter NR720, Table 1 and Table 2, Residual Contaminant Levels (metals standards are Industrial)

[2] - Wisconsin Administrative Code, Chapter NR746, Table 1 - Indicators of Residual Petroleum Product in Soil Pores

[3] - Wisconsin Administrative Code, Chapter NR746, Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil

[4] - Wisconsin Department of Natural Resources, Soil Cleanup Levels for PAHs - Interim Guidance, Suggested Generic RCLs for PAH Compounds in Soil based on groundwater pathway

[5] - Wisconsin Department of Natural Resources, Soil Cleanup Levels for PAHs - Interim Guidance, Suggested Generic RCLs for PAH Compounds in Soil based on direct contact pathway (Industrial)

BOLD values exceed one or more Wisconsin Soil Standards

NS - No Wisconsin Soil Standards have been established

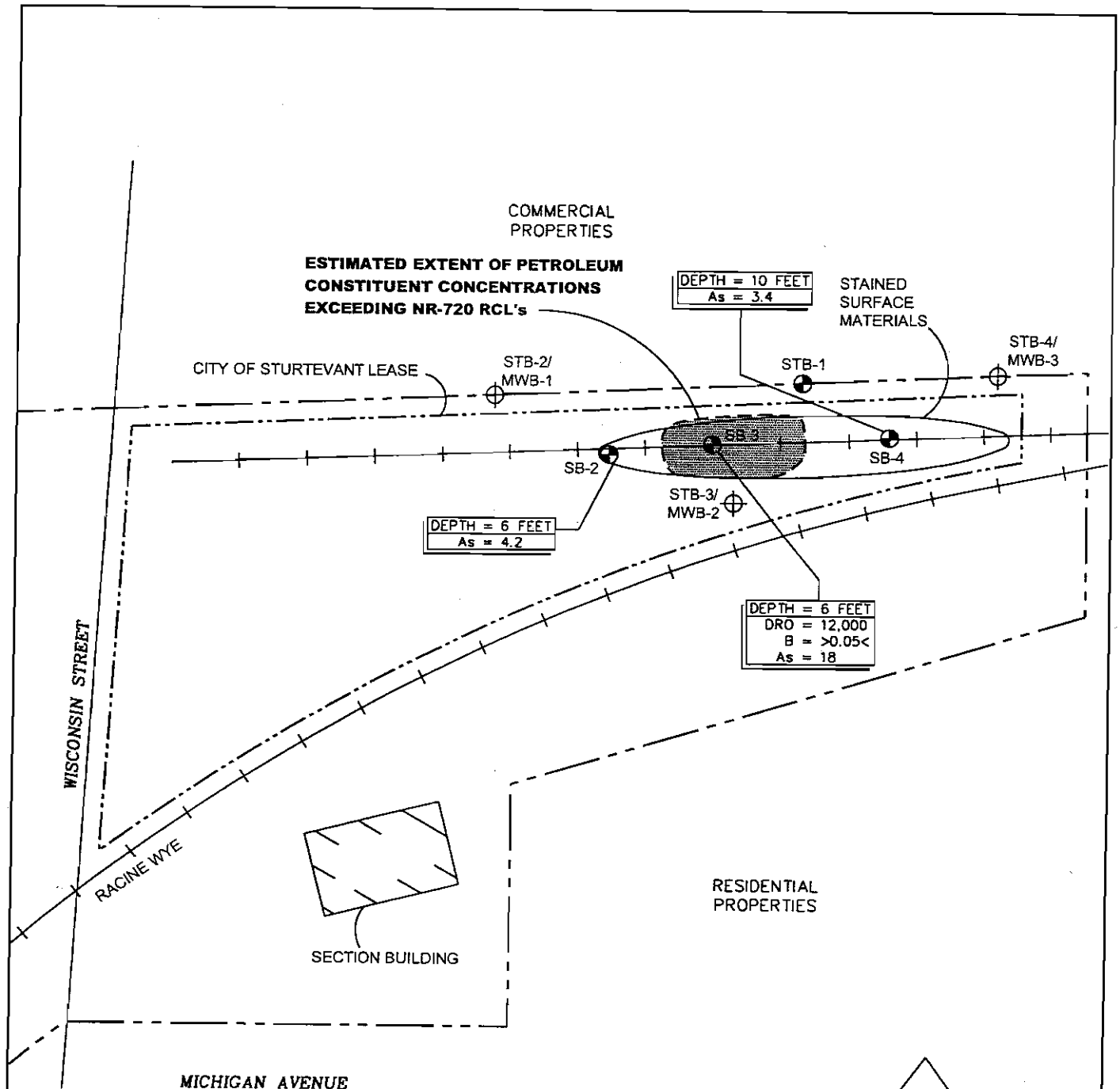
Project #: CNEX-02-009A
Stained Surface Materials on Racine Wye - Task B
Canadian Pacific Railway - Sturtevant Station Grounds
Sturtevant, Wisconsin

Table 4 (cont.)

Soil Sample Analytical Results - April 3, 2002

PARAMETER (mg/kg):	STB-3 2.5 feet	STB-3 15 feet	STB-4 2.5 feet	STB-4 15 feet	NR720 RCLs[1]	NR746.06 Table 1[2]	NR746.06 Table 2[3]	Suggested PAH Groundwater RCLs[4]	Suggested PAH Direct Contact RCLs[5]
PVOCs									
Benzene	<0.025	<0.025	<0.025	<0.025	0.0055	8.5	1.1	NS	NS
Ethyl Benzene	<0.025	<0.025	<0.025	<0.025	2.9	4.6	NS	NS	NS
Methyl Tertiary Butyl Ether	<0.025	<0.025	<0.025	<0.025	NS	NS	NS	NS	NS
Toluene	<0.025	<0.025	<0.025	<0.025	1.5	3.8	NS	NS	NS
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	83	NS	NS	NS
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	11	NS	NS	NS
Xylenes, Total	<0.050	<0.050	<0.050	<0.050	4.1	4.2	NS	NS	NS
PAHs									
Benzo (k) fluoranthene	<0.0051	<0.0051	<0.0051	<0.0051	NS	NS	NS	870	39
Phenanthrene	<0.0016	0.0051	<0.0016	0.0056	NS	NS	NS	1.8	390
Diesel Range Organics	<10	<10	<10	<10	100	NS	NS	NS	NS

Notes:
Sources for Wisconsin soil standards:
[1] - Wisconsin Administrative Code, Chapter NR720, Table 1 and Table 2, Residual Contaminant Levels (metals standards are Industrial)
[2] - Wisconsin Administrative Code, Chapter NR746, Table 1 - Indicators of Residual Petroleum Product in Soil Pores
[3] - Wisconsin Administrative Code, Chapter NR746, Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil
[4] - Wisconsin Department of Natural Resources, Soil Cleanup Levels for PAHs - Interim Guidance, Suggested Generic RCLs for PAH Compounds in Soil based on groundwater pathway
[5] - Wisconsin Department of Natural Resources, Soil Cleanup Levels for PAHs - Interim Guidance, Suggested Generic RCLs for PAH Compounds in Soil based on direct contact pathway (Industrial)
BOLD values exceed one or more Wisconsin Soil Standards
NS - No Wisconsin Soil Standards have been established



DRO DIESEL RANGE ORGANICS
B BENZENE
B(a)P BENZO (a) PYRENE
N NAPHTHALENE
P PHENANTHRENE
As ARSENIC
Pb LEAD

>XXX< REPORTED CONCENTRATION BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTITATION (THIS DATA IS AN ESTIMATED VALUE)

NOTES: ALL CONCENTRATIONS ARE IN mg/kg

ONLY CONCENTRATIONS EXCEEDING WISCONSIN SOIL STANDARDS ARE SHOWN ON THIS MAP

SOIL BORING/MONITORING WELL LOCATION

SOIL BORING LOCATION

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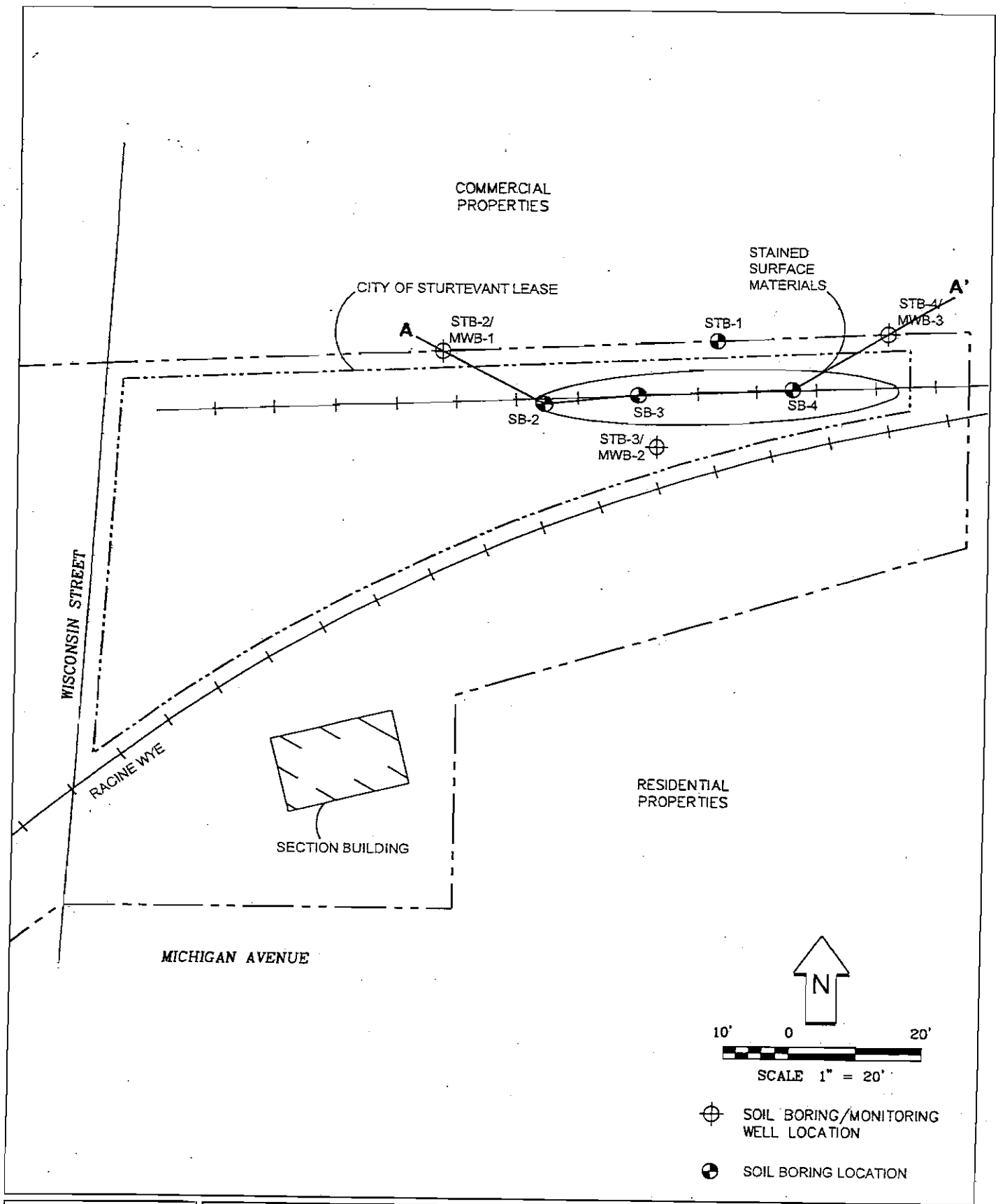
SOIL ANALYTICAL RESULTS
TASK B – STAINED SURFACE MATERIALS ON RACINE WYE
CANADIAN PACIFIC RAILWAY – STURTEVANT STATION GROUNDS
STURTEVANT, WISCONSIN

INT	REVISION	SHEET
DRAWN BY: BJB	3-14-02	
APP'D BY: PBH	7-24-03	OF
JOB NO. CNEX-02-009A		
DWG. NO. NE2009A		FIGURE NO.
SCALE 1" = 20'		5



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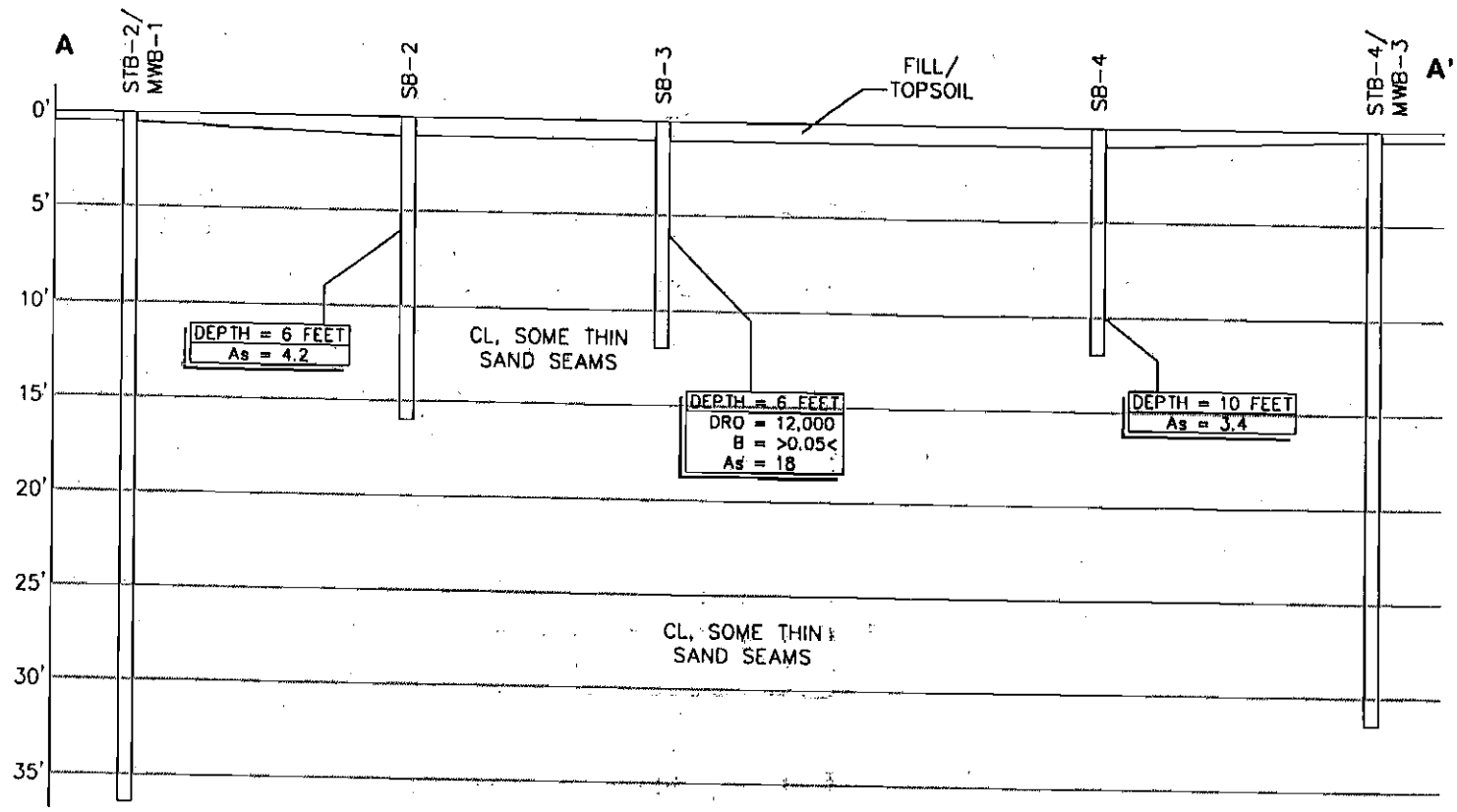
GEOLOGIC CROSS SECTION OVERVIEW
TASK B – STAINED SURFACE MATERIALS ON RACINE WYE
CANADIAN PACIFIC RAILWAY – STURTEVANT STATION GROUNDS
STURTEVANT, WISCONSIN

INT	REVISION	SHEET
DRAWN BY: BJB	3-14-02	
APP'D BY: PBH	11-8-02	OF
JOB NO. CNEX-02-009A		
DWG. NO. NE2009A		FIGURE NO.
SCALE 1" = 20'		3



DRO DIESEL RANGE ORGANICS
B BENZENE
B(a)P BENZO (a) PYRENE
N NAPHTHALENE
P PHENANTHRENE
As ARSENIC
Pb LEAD

>XXX< REPORTED CONCENTRATION BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTITATION (THIS DATA IS AN ESTIMATED VALUE)

NOTES: ALL CONCENTRATIONS ARE IN mg/kg

ONLY CONCENTRATIONS EXCEEDING WISCONSIN SOIL STANDARDS ARE SHOWN ON THIS MAP

5' 0 10'
HORIZONTAL SCALE: 1" = 10'

5' 0 10'
VERTICAL SCALE: 1" = 10'

VERTICAL EXAGERATION = 1x

FIGURE NO. 4	INT	DATE
	DRAWN BY: BJB	11-8-02
	APP'D BY: KLH	11-8-02
	JOB NO. CNEX-02-009A	
	DWG. NO. NE2009A1	SHEET / OF
	SCALE AS SHOWN	

GEOLOGIC CROSS SECTION A-A'
TASK B - STAINED SURFACE MATERIALS ON RACINE WYE
CANADIAN PACIFIC RAILWAY - STURTEVANT STATION GROUNDS
STURTEVANT, WISCONSIN

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